

## AUTHOR INDEX TO VOLUME 7

This index lists, in alphabetical order, the names of authors of all articles, abstracts, letters, and editorials. Full citation is provided under the first author only, with reference made from joint authors. Abstracts, letters, and editorials are distinguished from articles by the following code: A = abstract, L = letter, and E = editorial.

### A

- Afting E-G, see Rothig H-J  
 Ahmad BK, see Oh SJ  
 Albe X, see Hantai D  
 Albers JW, see Donofrio PD  
 Albers JW, Donofrio PD, McGonagle TK, Leonard JA Jr, Geiringer SR: Sequential electrodiagnostic abnormalities in acute inflammatory demyelinating polyradiculoneuropathy, 576-A  
 Albert C, see Pavot A  
 Alderson K, Petajan JH: Relative refractory period: a measure to detect early neuropathy in alcoholics, 580-A  
 Alessi AG, see Donofrio PD  
 Alonso RD, see Tahmouh AJ  
 Al-Rajeh S, see Al-Sulaiman A  
 Al-Sulaiman A, Al-Rajeh S, Iyer V: 2,4-D myotonia during reinnervation, 580-A  
 Aminoff MJ, see Goodin DS  
 Aminoff MJ: The clinical role of somatosensory evoked potential studies: a critical appraisal, 345-354  
 Aminoff MJ, Goodin DS, Parry GJ, Rosenblum ML, Barbaro NM, Weinstein PR: Electrophysiologic evaluation of lumbosacral radiculopathies, 582-A  
 Anderson P, see Kelly FJ  
 Anderson WM, see Macchia DD  
 Aquilonius S-M, Askmark H, Gillberg P-G, Nandedkar S, Olsson Y, Stålberg E: Topographical localization of motor endplates in cryosections of whole human muscles, 287-293  
 Arezzo JC, see Schwab BW  
 Arpa J, see Cruz Martinez A  
 Arts RJHM, Bollen EL, Roos RAC, Buruma OJS: Somatosensory evoked potentials to tibial and median nerve stimulation in Huntington's chorea, 582-A  
 Arts RJHM, de Beer F, Thomeer RTWM: Spinal cord reconstruction in the cat: evaluation through somatosensory evoked potentials, 582-A

- Ashmore CR, see Day RK  
 Askmark H, see Aquilonius S-M  
 Askmark H, Carlson M, Roxin L-E: Myoglobin in rat hind limb muscles after denervation and during reinnervation, 656-661  
 Atkinson BG, see Graham KA

### B

- Bach J, see Rideau Y  
 Bacq M, see Telerman-Toppet N  
 Baker M, see Ravits J  
 Ball RD, see Barry DT  
 Bandman E: Myosin components of the latissimus dorsi and the pectoralis major muscles in the dystrophic chicken, 312-326  
 Baran E, Codario R, Mandel S, Kresch E, Odland JD: Somatosensory evoked potential abnormalities with Agent Orange, 571-A  
 Baran E, Jacobs M, Kresch E, Odland JD: Correlation coefficient analysis of somatosensory evoked potential waveforms, 571-A  
 Barbaro NM, see Aminoff MJ  
 Barry DT, Ball RD: Acoustic myography: a noninvasive in vivo method for assessing motor unit fatigue, 578-A  
 Baruah JK, Cheryl G, Sulaiman AR, Kinder D: Hereditary sensory neuropathy liable to pressure palsies, 573-A  
 Becker MJ, see Eng GD  
 Bell MA, Weddell AGM: A morphometric study of intrafascicular vessels of mammalian sciatic nerve, 524-534  
 Belsh JM, Chokroverty S: Short latency somatosensory evoked potentials in brain-dead patients, 583-A  
 Beric A: Scalp distribution of somatosensory evoked potentials following proximal and distal stimulation of cutaneous and mixed nerves in the upper extremities, 583-A  
 Bernhardt W, see Rothig H-J  
 Bigland-Ritchie B, Woods JJ: Changes in muscle contractile properties and neural control during human muscular fatigue, 691-699  
 Bodensteiner JB, Grunow JE: Gastroparesis in neonatal myotonic dystrophy, 486-487  
 Bodziner RA, see Lange DJ  
 Bollen EL, see Arts RJHM  
 Bonadonna G, Corradina P, Lechi C, Zatti M, De Grandis D: Decreased A 23187-induced platelet aggregation in Duchenne muscular dystrophy, 493-L  
 Bourke D, see Thomas D  
 Bozek C, see Eisen A  
 Bradley WE, see Lin JT  
 Bradley WG  
 see Lester JM  
 see Sabina RL  
 Bradley WG: Sir John Walton retires from Newcastle upon Tyne, 1-E  
 Brandstater ME, see Stashuk D  
 Brandstater M, de Bruin H, Perry J: Quantitative analysis of channel cross-talk during multiple-level EMG recordings, 561-A  
 Branstom NM, see Ladd A  
 Brenner JF, see Lester JM  
 Bresolin N, Miranda A, Chang HW, Shanske S, DiMauro S: Phosphoglycerate kinase deficiency myopathy: biochemical and immunological studies of the mutant enzyme, 542-551  
 Brimjoin S, Mintz KP: Unimpaired energy metabolism in experimental neuropathy induced by p-bromophenylacetylurea, 725-732  
 Brimmer CJ, see Fitts RH  
 Brinkman SD, see Peters GM  
 Brooke MH, see Mendell JR  
 Brumback RA, Gerst JW: A reply, 593-L  
 Bruyninckx F, see Chu J  
 Bryant SH, see Martin AF  
 Bryers PS, Ecob MS: Differentiation in

dystrophic muscle cultures from mice of different ages, 332-336  
 Burke JF, see Witte AS  
 Burke JM, see Donofrio PD  
 Burke RE, see Mayer RF  
 Buruma OJS, see Arts RJHM

## C

Cagnin G, see Morello F  
 Calne D, see Eisen A  
 Cantón R, see Cruz Martínez A  
 Carlson M, see Askmark H  
 Carroll JE, Norris BJ, Villadiego A, Wheeler SD: Brominated vegetable oil myopathy: inhibition at multiple sites, 642-646  
 Casali C, see Scoppetta C  
 Cavanagh JB  
 see Kemplay S  
 see Simonati A  
 Chad D, see Smith TW  
 Chang HW, see Bresolin N  
 Chang T, see Wu Z-A  
 Chen J, see Dubois M  
 Chen RC, see Chu J  
 Cheryl G, see Baruah JK  
 Chino N, Noda Y: Supernormal conductivity of the muscle fibers, 567-A  
 Cho DS, MacLean IC: Comparison of normal values of median, radial, and ulnar sensory latencies, 575-A  
 Chokroverty S  
 see Belsh JM  
 see Manocha M  
 Chu F-L, see Wu Z-A  
 Chu J, Bruyninckx F, Chen RC: Automatically analyzed low-threshold motor unit parameters and the interference pattern: their relationship in normal and neurogenic situations, 561-A  
 Chu J, Chen RC: The effects of progressive Teflon denudation of the monopolar needle on the motor unit potential, 569-A  
 CIDD Group, see Mendell JR  
 Cobb L, see Pickett JB  
 Codario R, see Baran E  
 Coërs C, see Telerman-Toppet N  
 Cohen MH, see Lester JM  
 Colombo L, see Mussini E  
 Comi G, Locatelli T, Mandelli A, Martinelli V, Dal Carro U, Medaglini S, Ghilardi MF: Median and tibial nerve somatosensory evoked potentials: evaluation of central conduction time in multiple sclerosis, 583-A  
 Cooper WH, Ringel SP: Severe motor neuropathy following low-dose vincristine, 564-A  
 Cornelio F, see Mussini E  
 Corradina P, see Bonadonna G  
 Cossu G, Eusebi F, Molinaro M: Reduced acetylcholine sensitivity in dystrophic mouse myotubes in vitro, 73-76  
 Cotellessa L, see Mussini E  
 Cracco JB, see Maccabee PJ  
 Cracco RQ, see Maccabee PJ  
 Cruz Martínez A, Arpa J, Pérez Conde MC, Ferrer MT: Bilateral carpal tunnel in childhood associated with Schwartz-Jampel syndrome, 66-72

Cruz Martínez A, Pérez Conde MC, Ferrer MT, Cantón R, Téllez I: Neuromuscular disorders in a new toxic syndrome: electrophysiological study—a preliminary report, 12-22  
 Cumming WJK, Mahon M: Needle biopsies, 679-L  
 Czyzewski K, see Sadeh M

## D

Dahn MS, see Peters GM  
 Dal Carro U, see Comi G  
 Dalla Libera L, Scarpini E, Manfredi L, Marini A: Urinary 3-methylhistidine output in newborn human infants, 494-L  
 Dangain J, Vrbová G: Muscle development in mdx mutant mice, 700-704  
 Daroff RB, see Swift TR  
 Daube JR  
 see Evans BA  
 see McManis PG  
 Daube JR, Harner SG, Laws EG: Intraoperative monitoring of cranial nerve function, 577-A  
 Daugherty WT, Glantz RH, Rowley WF: Facial myokymia in a family, 568-A  
 Day RK, Ashmore CR, Lee YB: The effect of stretch removal on muscle weight and proteolytic enzyme activity in normal and dystrophic chicken muscles, 482-485  
 de Beer F, see Arts RJHM  
 de Bruin H  
 see Brandstater M  
 see Stashuk D  
 De Grandis D, see Bonadonna G  
 De Luca CJ, Jabre JF: EMG signal decomposition: a new technique for studying individual motor unit action potentials at different stages of contraction, 560-A  
 De Ponte G, see Mussini E  
 Degani D, see Ragazzoni A  
 Delaunier A, see Rideau Y  
 Didelot MJ, see Macchia DD  
 DiMauro S, see Bresolin N  
 Dimitrijevic MR, Faganel J, Halter JA: EMG evaluation of sprouting of primary afferents by stimulation of spinal cord from the epidural space in spastic paraplegic patients, 569-A  
 Di Trapani G, see Scoppetta C  
 Dodson WE, see Mendell JR  
 Donofrio PD, see Albers JW  
 Donofrio PD, Albers JW, Greenberg HS, Mitchell BS: Peripheral neuropathy in osteosclerotic myeloma: clinical and electrodiagnostic improvement with chemotherapy, 137-141  
 Donofrio PD, Alessi AG, Burke JM, Mata M, Fink D, Albers JW: Polyneuropathy in benign monoclonal gammopathy of undetermined significance, 564-A  
 Dorfman LJ: The distribution of conduction velocities (DCV) in peripheral nerves: a review, 2-11  
 Dorfman LJ, McGill KC: Automatic analysis of motor unit action potential properties during strong muscular contractions using ADEMG, 560-A

Doughly ME, see Kountouris D  
 Downham D, Lexell J, Sjöström M: The co-dispersion index for the measurement of fiber type distribution pattern, 751-L  
 Drachman DB, see Swift TR  
 Dubois M, Lynch J, Goldbery J, Siegelman R, Chen J, Potolicchio A: Pudendal nerve evoked responses during extensive pelvic surgery: an assessment of sexual function, 583-A  
 Dubowitz V, see Heckmatt JZ  
 Dubrovsky A, see Taratuto AL  
 Dudley AW Jr, see Lederman RJ  
 Durdu J, see Telerman-Toppet N  
 Dyro FM: Conduction velocities and Agent Orange exposure, 571-A

## E

Ecob MS, see Bryers PS  
 Edwards RHT: New techniques for studying human muscle function, metabolism, and fatigue, 599-609  
 Egloff-Baer S, see Roth G  
 Eisen A, Hoich M, Bozek C, Calne D: Valid electrophysiologic methods allowing comparison of peripheral and central sensory conduction, 562-A  
 Eisen A, Hoich M, White J, Calne D: Sensory group Ia conduction velocity, 636-641  
 Eisen A, Roberts K, Hoich M, Lawrence P: An alternative to the single peak single neural generator hypothesis of the somatosensory evoked potential revealed by digital filtering, 584-A  
 Elmubarak MH, Ranatunga KW: Temperature sensitivity of tension development in a fast-twitch muscle of the rat, 298-303  
 Eng GD, Becker MJ, Muldoon SM: Electrodiagnostic tests in the detection of malignant hyperthermia, 618-625  
 Entrikin RK: Avian muscular dystrophy: use of proper "controls," 337-L  
 Entrikin RK, Patterson GT, Wilson BW: Drugs in muscular dystrophy of the chicken: corticosterone-21-acetate, 130-136  
 Eppenberger HM, see Eppenberger ME  
 Eppenberger ME, Schoenenberger R, Eppenberger HM: Myofibrillar M-line structure in normal and dystrophic hamster muscle, 304-311  
 Erlandson RF  
 see Joynt RL  
 see Rourke M  
 Erlandson RF, Joynt RL, Rourke M: A comparison of computer-simulated EMG interference pattern with actual subject data, 570-A  
 Eusebi F, see Cossu G  
 Eusebi F, Molinaro M: Acetylcholine sensitivity in replicating satellite cells, 488-492  
 Evans BA, Daube JR: A comparison of three electrodiagnostic methods of diagnosing carpal tunnel syndrome, 565-A  
 Eve S, see So El

## F

- Faganel J, see Dimitrijevic MR  
 Fardeau M, see Hantai D  
 Fariello RG, see Witte AS  
 Farrell C, see Feit H  
 Feit H, see Pettegrew J  
 Feit H, Farrell C: The interaction of unregulated actin and myosin in avian muscular dystrophy, 668-675  
 Fenichel GM, see Mendell JR  
 Ferrer MT, see Cruz Martínez A  
 Fine E, Wongjiad C: A device providing visual and auditory feedback during limb movement, 569-A  
 Fink D, see Donofrio PD  
 Fischman DA, see Shafiq SA  
 Fishbein WN: Changes in adenylate deaminase, adenylate kinase, and creatine kinase after prolonged storage of frozen muscle biopsies, 340-L  
 Fisher MA, see Wess MM  
 Fisher MA: A reply, 339-L  
 Fisher MA, Perlik SJ: P40 somatosensory evoked potentials: thalamic lesions and subcortical origin, 584-A  
 Fitts RH, Brimmer CJ, Troup JP, Unsworth BR: Contractile and fatigue properties of thyrotoxic rat skeletal muscle, 470-477  
 Fleming GD, see Young RB  
 Flohe L, see Schwab BW  
 Fowler WM Jr: Importance of overwork weakness, 496-L  
 French MW, Rivner MH, Hartlage P, Swift TR: Excitation-contraction time intervals in human malignant hyperthermia, 580-A  
 Fujita T, see Nonaka A  
 Furukawa K: Healing-over in skeletal muscles of the guinea pig following induced injury, 610-617

## G

- Gantchev GN, see Popivanov D  
 Gasanov GG, see Melikov EM  
 Gateless D, Kraft GH, Gilroy J: Thermographic evaluation of autonomic dysfunction in the carpal tunnel syndrome, 574-A  
 Gavrilenko T, see Popivanov D  
 Gebes S, see Kountouris D  
 Geiringer SR, see Albers JW  
 Gergely J, see Mabuchi K  
 Gerst JW, see Brumback RA  
 Ghilardi MF, see Comi G  
 Gilchrist JM, Leshner RT: Intraoperative EMG in spasmodic torticollis, 569-A  
 Gillberg P-G, see Aquilonius S-M  
 Gilroy J, see Gateless D  
 Giudici G, see Mussini E  
 Glantz RH, see Daugherty WT  
 Glorion B, see Rideau Y  
 Goldberg J, see Dubois M  
 Goldspink DF, see Kelly FJ  
 Goldspink G, see Watt PW  
 Goodin DS, see Aminoff MJ  
 Goodin DS, Aminoff MJ, Mantle MM: Evoked cerebellar potentials and voluntary motor activity, 584-A  
 Graham DS, see Lange DJ  
 Graham KA, Shivers RR, Atkinson BG:

- A freeze-fracture analysis of intramembrane particle densities on dystrophic hamster heart sarcolemma, 513-523  
 Greenberg HS, see Donofrio PD  
 Griggs RC, see Mendell JR  
 Grimby L, Holm K, Sjöström L: Abnormal use of remaining motor units during locomotion in peroneal palsy, 327-331  
 Grimm AF, see Herring SW  
 Grimm BR, see Herring SW  
 Grob D, see Pagala MKD  
 Grunow JE, see Bodensteiner JB  
 Guitart R, see Vallat J-M  
 Gupta P, see Louis AA

## H

- Hallett M, see Ravits J  
 Halter JA, see Dimitrijevic MR  
 Hanson MR, see Lederman RJ  
 Hantai D, Albe X, Fardeau M: Double staining of the muscle fibers and interstitial tissue components for automatic analysis of muscle biopsies, 91-93  
 Harner SG, see Daube JR  
 Hartlage P, see French MW  
 Hassan NF, see Maccabee PJ  
 Hazama R, see Tsujihata M  
 Heckmatt JZ, Dubowitz V: Needle biopsy of skeletal muscle, 594-L  
 Heiman-Patterson TD, see Tahmouh AJ  
 Henke J, see So EL  
 Henriksson KG, see Tagesson C  
 Herring SW, Grimm AF, Grimm BR: Regulation of sarcomere number in skeletal muscle: a comparison of hypotheses, 161-173  
 Hirsch RP, see Lester JM  
 Hodgson JA, see Mayer RF  
 Hofmann WW: An insulin receptor defect in murine muscular dystrophy, 650-655  
 Hoirich M, see Eisen A  
 Holers VM, see Rosenberg NL  
 Holmes EW, see Sabina RL  
 Holm K, see Grimby L  
 Hopf HC: Hemifacial spasm: location of the lesion electrophysiologically, 753-L  
 Hopkins LH, see Young RB  
 Horowitz SJ, see Sternick C  
 Hotson JR, see Louis AA  
 Hsu L, Natzyak D, Trupin GL: Neurotrophic effects of skeletal muscle fractions on neurite development, 211-217  
 Hudgson P, see Lane RJM

## I

- Ignacio D, see Pavot A  
 Ishitsu T, see Miike T  
 Iyer V, see Al-Sulaiman A

## J

- Jablecki C: Lambert-Eaton myasthenic syndrome, 250-257  
 Jabre JF, see De Luca CJ  
 Jackowski M, see Reiners K  
 Jacobs LA, see Peters GM  
 Jacobs M, see Baran E  
 Jan S-F, see Wu Z-A

- Jannetta PJ, see Nielsen VK  
 Jeffrey PL, see Leung WN  
 Johnson RM: Membrane protein phosphorylation in the intact erythrocytes of genetically dystrophic hamsters, 369-373  
 Jones HR Jr: Compression neuropathies in childhood: a report of ten cases at a children's hospital, 1979-1984, 566-A  
 Joynt RL  
 see Erlandson RF  
 see Pfister AM  
 see Rourke M  
 Joynt RL: Comparison of residual latency and palmar stimulation for diagnosis of carpal tunnel syndrome, 565-A  
 Joynt RL, Erlandson RF: Interexaminer variations in the characteristics of a good EMG interference pattern, 570-A

## K

- Karpati G: Partially denervated and reinnervated muscles in Duchenne muscular dystrophy, 261-L  
 Kelly FJ, Lewis SEM, Anderson P, Goldspink DF: Pre- and postnatal growth and protein turnover in four muscles of the rat, 235-242  
 Kemplay S, Cavanagh JB  
 Effects of acrylamide and other sulphydryl compounds in vivo and in vitro on staining of motor nerve terminals by the zinc iodide-osmium technique, 94-100  
 Effects of acrylamide and some other sulphydryl reagents on spontaneous and pathologically induced terminal sprouting from motor end-plates, 101-109  
 Kennaugh R, see Rosenberg NL  
 Kennedy CB, Preston DN: Comparison of bilateral F-wave latency variability in control subjects, 573-A  
 Khoubessierian P, see Telerman-Toppet N  
 Kim HS, see Oh SJ  
 Kimberling W, see Streib EW  
 Kimura A, see Kimura J  
 Kimura J, Yanagisawa H, Yamada T, Mitsudome A, Sasaki H, Kimura A: Is the F wave elicited in a select group of motoneurons?, 392-399  
 Kinder D, see Baruah JK  
 King DW, see So EL  
 Klueber K, see Thomas D  
 Klueber KM, Ontell M: A new approach to intramuscular placement of horseradish peroxidase, 127-129  
 Kono N, see Mineo I  
 Kotzin BL, see Rosenberg NL  
 Kountouris D, Skondras S, Doughly ME: The value of fiber density determinations in early detection and follow-up study of neurogenic disorders, 572-A  
 Kountouris D, Skondras S, Gebes S, Doughly ME: Somatosensory evoked potentials to median nerve stimulation in the diagnosis of diabetic neuropathy, 585-A  
 Kraft GH, see Gateless D

Kraft GH

Decay of fibrillation potential amplitude following nerve injury, 565-A  
Follow-up electrodiagnostic studies of idiopathic shoulder girdle neuropathy (multiple distal neuritis of the shoulder girdle), 566-A

Kresch E, see Baran E

Küther G, see Rüdell R

Kwan A, see Pavot A

Kwieciński H, Lehmann-Horn F, Rüdell R  
Membrane currents in human intercostal muscle at varied extracellular potassium, 465-469

The resting membrane parameters of human intercostal muscle at low, normal, and high extracellular potassium, 60-65

Kula RW, see Sundar RP

## L

Lacy JR, see Rosenberg NL

Ladds A, Branstetter NM, Symon I: The early somatosensory evoked potential in the thalamus, 585-A

Lambelin D, see Telerman-Toppet N

Lambert EH  
see McManis PG  
see Oda K

Lane RJM, Turnbull DM, Hudson P, Walton J: Trials of verapamil and dantrolene sodium in McArdle disease, 592-L

Lange DJ, Bodziner RA, Lovelace RE, Graham DS, Meer J: Quantitative electromyography using averaging techniques, 562-A

Lawrence P, see Eisen A

Laws EG, see Daube JR

Leboutet M-J, see Vallat J-M

Lechi C, see Bonadonna G

Lederman RJ, Salanga VD, Wilbourn AJ, Hanson MR, Dudley AW Jr: Focal inflammatory myopathy, 142-146

Lee YB, see Day RK

Lehmann-Horn F

see Kwieciński H

see Rüdell R

Leibrock LG, see Streib EW

Lennon VA

see Oda K

see Swift TR

Leonard JA Jr, see Albers JW

Leshner RT, see Gilchrist JM

Lester JM, Silber DI, Cohen MH, Hirsch RP, Bradley WG, Brenner JF: The co-dispersion index for the measurement of fiber type distribution patterns: a reply, 752-L

Leung WN, Jeffrey PL, Rostas JAP: The effect of denervation on mammalian sarcolemmal proteins and glycoproteins, 35-49

Lewis SEM, see Kelly FJ

Lexell J, see Downham D

Lin JT, Bradley WE: Nerve conduction study of dorsal nerve of the penis, 566-A

Lin JT, Ward C: Comparison of pre-operative and postoperative nerve con-

duction studies in carpal tunnel release surgery, 565-A

Litchy WJ: Characteristics of stimulus-induced repetitive discharges in motor nerves, 572-A

Locatelli T, see Comi G

Loubet A, see Vallat J-M

Louis AA, Gupta P, Perkash I: Localization of sensory level in traumatic quadriplegia by segmental somatosensory evoked potentials, 585-A

Louis AA, Hotson JR: Focal cooling of human nerve and slowed Na<sup>+</sup> inactivation, 567-A

Lousberg G, see Telerman-Toppet N

Lovelace RE, see Lange DJ

Lynch J, see Dubois M

## M

Mabuchi K, Pinter K, Mabuchi Y, Sreter F, Gergely J: Characterization of rabbit masseter muscle fibers, 431-438

Mabuchi Y, see Mabuchi K

Maccabee PJ, see Sundar RP

Maccabee PJ, Hassan NF, Cracco RQ, Cracco JB: Short-latency somatosensory (SSEPs) and brain stem auditory evoked potentials (BAEPs): effect of high- and low-pass analog and digital filters upon wave morphology, 563-A

Macchia DD, Didelot MJ, Anderson WM: Anion permeability of toad skeletal muscle incubated in plasma and Ringer solution, 415-423

MacLean IC, see Cho DS

Mahon M, see Cumming WJK

Mandel F, see Martin AF

Mandel S, see Baran E

Mandelli A, see Comi G

Manfredi L, see Dalla Libera L

Manocha M, Chokroverty S, Nora R: Peripheral and central neural conduction in patients on chronic lithium therapy, 575-A

Mantle MM, see Goodin DS

Marcucci F, see Mussini E

Marini A, see Dalla Libera L

Marra T: Use of F- and H-reflex measurements to assess peripheral nerve function in chronic renal failure, 573-A

Martin AF, Bryant SH, Mandel F: Isomyosin distribution in skeletal muscles of normal and myotonic goats, 152-160

Martinelli V, see Comi G

Masaki T, see Yoshikawa A

Mata M, see Donofrio PD

Matthiessen T, see Schwab BW

Mayer RF, see Sellman MS

Mayer RF, Burke RE, Toop J, Walmsley B, Hodgson JA: The effect of spinal cord transection on motor units in cat medial gastrocnemius muscles, 23-31

McGonagle TK, see Albers JW

McManis PG, Lambert EH, Daube JR: The exercise test in periodic paralysis, 579-A

Medaglini S, see Comi G

Meer J, see Lange DJ

Melikov EM, Gasanov GG: Specificity of cortical conditioning additional nega-

tive wave of recruiting potential: the role of hippocampus and its monoaminergic system in the formation of investigated evoked potentials, 586-A

Mendell JR, Griggs RC, Moxley RT III, Fenichel GM, Brooke MH, Miller JP, Province MA, Dodson WE, CIDD Group: Clinical investigation in Duchenne muscular dystrophy: IV. Double-blind controlled trial of leucine, 535-541

Mennuni G, see Scoppetta C

Menold MM, Repasky EA: Heterogeneity of spectrin distribution among avian muscle fiber types, 408-414

Miike T, Ohtani Y, Tamari H, Ishitsu T, Nonaka I: An electron microscopical study of the T-system in biopsied muscles from Fukuyama type congenital muscular dystrophy, 629-635

Miller JP, see Mendell JR

Miller RG

see Olney RK

see Rosenberg NL

Miller RG: Acute vs. chronic compressive neuropathy, 427-430

Mills KR, see Murray NMF

Mineo I, Kono N, Shimizu T, Sumi S, Nonaka K, Tarui S: A comparative study on glucagon effect between McArdle disease and Tarui disease, 552-559

Minshew N, see Pettegrew J

Mintz KP, see Brimjoin S

Miranda A, see Bresolin N

Mitchell BS, see Donofrio PD

Mitsudome A, see Kimura J

Mitsumoto H, see Sternick C

Mitsumoto H, Wilbourn AJ: The gold-myokymia syndrome: the EMG findings in two patients, 579-A

Molinario M

see Cossu G

see Eusebi F

Morello F, Cagnin G, Toso V: Hyperproteinorrachia in Eaton-Lambert myasthenic syndrome, 754-L

Morgan JE, see Watt DJ

Mori M, see Tsujihata M

Morrell RM, see Peters GM

Moxley RT III, see Mendell JR

Muldoon SM, see Eng GD

Murray NMF, Mills KR: Pyramidal tract conduction time in normal subjects and multiple sclerosis patients, 563-A

Murray NMF, Tan CT: Trigeminal somatosensory evoked potentials compared with median SEPs and brain stem auditory evoked potentials in brain stem multiple sclerosis, 586-A

Mussini E, Cornelio F, Colombo L, De Ponte G, Giudici G, Cotellessa L, Marcucci F: Increased myofibrillar protein catabolism in Duchenne muscular dystrophy measured by 3-methylhistidine excretion in the urine, 388-391

## N

Nagataki S, see Tsujihata M

Namba T, see Pagala MKD



- Nandedkar S, see Aquilonius S-M
- Nandedkar SD, Sanders DB: Number of turns in the EMG interference pattern measured at different force levels in biceps, 561-A
- Nandedkar SD, Sanders DB, Stålberg EV: Simulation of concentric needle EMG motor unit action potentials, 562-A
- Natzak D, see Hsu L
- Neville HE, see Rosenberg NL
- Nielsen VK, see Soso MJ
- Nielsen VK, Soso MJ: Amplification of the ephaptic response in hemifacial spasm by collision of impulses, 578-A
- Nielsen VK, Soso MJ, Jannetta PJ: Hemifacial spasm: difficulties in locating the lesion electrophysiologically, 682-L
- Noda Y, see Chino N
- Nonaka I, see Miike T
- Nonaka I, Fujita T, Sugita H: Regenerative capability of skeletal muscle in chicken muscular dystrophy, 400-407
- Nonaka K, see Mineo I
- Nora R, see Manocha M
- Noroian E, see Swift TR
- Norris BJ, see Carroll JE
- O**
- Oda K, Lambert EH, Lennon VA, Palmer AC: Congenital canine myasthenia gravis: I. Deficient junctional acetylcholine receptors, 705-716
- Oda K, Lambert EH, Lennon VA, Palmer AC: Congenital canine myasthenia gravis: II. Acetylcholine receptor metabolism, 717-724
- Odland JD, see Baran E
- Oh SJ: The near-nerve sensory nerve conduction in tarsal tunnel syndrome, 566-A
- Oh SJ, Kim HS, Ahmad BK: Electrophysiological diagnosis of interdigital neuropathy of the foot, 218-225
- Ohtani Y, see Miike T
- Olney RK: Compound action potential analysis: negative phase or total waveform, 568-A
- Olney RK, Miller RG: Conduction block in compression neuropathy: recognition and quantification, 662-667
- Olsson Y, see Aquilonius S-M
- Ontell M  
see Klueber KM  
see Thomas D
- P**
- Pagala MKD, Namba T, Grob D: Failure of neuromuscular transmission and contractility during muscle fatigue, 454-464
- Paldino AM, see Schwab BW
- Palliyath SK: A technique for studying the greater auricular nerve conduction velocity, 232-234
- Palmer AC, see Oda K
- Parry GJ, see Aminoff MJ
- Partridge TA, see Watt DJ
- Patterson GT, see Entrikin RK
- Paul CV, see Powell JA
- Pavot A, Ignacio D, Albert C, Shibuya J, Kwan A: Somatosensory evoked potentials studies in hypnosis, 586-A
- Pena S, see Peterson A
- Pérez Conde MC, see Cruz Martínez A
- Perkash I, see Louis AA
- Perlik SJ, see Fisher MA
- Perry J, see Brandstater M
- Petajan JH  
see Alderson K
- A standard method for the evaluation of motor unit recruitment: the "45° test," 577-A
- Peters GM, Brinkman SD, Dahn MS, Morrell RM, Jacobs LA: Somatosensory evoked potential deterioration signals need for temporary shunt during carotid endarterectomy, 585-A
- Peters HA, see Sufit RL
- Peterson A, see Powell JA
- Peterson A, Pena S: Relationship of genotype and in vitro contractility in *mdg/mdg* ↔ *+/+* "mosaic" myotubes, 194-203
- Pette D, see Reichmann H
- Pettegrew J, Minshew N, Feit H: <sup>31</sup>P-NMR studies of normal and dystrophic chicken muscle, 442-446
- Pfister AM, Joynt RL: F-wave latency to the extensor hallucis longus muscle in evaluation of L<sub>5</sub> radiculopathy, 572-A
- Phillips LH II, see Thurston SE
- Pickett JB, Cobb L: Motor amplitude measurement errors: foiled by a millimeter ruler, 567-A
- Pinter K, see Mabuchi K
- Pollock M, see Sutherland WHF
- Popivanov D, Gavrilenko T, Gantchev GN: Brain potential interactions after voluntary movement and electrical stimulation in the humans, 587-A
- Potolicchio S, see Dubois M
- Powell JA, Peterson A, Paul CV: Neurons induce contractions in myotubes containing only muscular dysgenic nuclei, 204-210
- Preston DN, see Kennedy CB
- Provenzano C, see Scoppetta C
- Province MA, see Mendell JR
- R**
- Ragazzoni A, Ragghianti P, Degani D: Short-latency somatosensory evoked potential abnormalities in adult mongoloids: evidence for dysfunction of the somatosensory pathway, 587-A
- Ragghianti P, see Ragazzoni A
- Ranatunga KW, see Elmubarak MH
- Ravits J, Baker M, Wilkins D, Hallett M: Primary writing tremor and myoclonic writer's cramp, 578-A
- Reichmann H, Pette D: Enzyme activities and activity profiles in muscle fibers of dystrophic, immature-normal, and adult-normal BL6 mice, 121-126
- Reiners K, Jackowski M, Toyka KV: F-response latency determinations, 338-L
- Repasky EA, see Menold MM
- Ricker K, see Rüdell R
- Rideau Y, Glorion B, Delaubier A, Tarlé O, Bach J: The treatment of scoliosis in Duchenne muscular dystrophy, 281-286
- Rigaud M, see Vallat J-M
- Ringel SP, see Cooper WH
- Rivner MH, see French MW
- Robbins N, see Shields RW Jr
- Roberts K, see Eisen A
- Roos RAC, see Arts RJHM
- Root KR, see Shields RW Jr
- Rosenberg NL, Lacy JR, Kennaugh R, Holers VM, Neville HE, Kotzin BL: Treatment of refractory chronic demyelinating polyneuropathy with lymphoid irradiation, 563-A
- Rosenberg NL, Miller RG: Profound distal pathology in acute fulminant Guillain-Barré syndrome, 576-A
- Rosenblum ML, see Aminoff MJ
- Rostas JAP, see Leung WN
- Roth G, Egloff-Baer S: Motor axon loop: an electroneurographic response, 294-297
- Röthig H-J, Bernhardt W, Afting E-G: Excretion of total and muscular N<sup>1</sup>-methylhistidine and creatinine in muscle diseases, 374-379
- Rourke M, see Erlandson RF
- Rourke M, Erlandson RF, Joynt RL: Quantitative analysis of computer-simulated EMG interference patterns, 570-A
- Rowley WF, see Daugherty WT
- Roxin L-E, see Askmark H
- Rüdell R, see Kwicinski H
- Rüdell R, Lehmann-Horn F, Ricker K, Küther G: Hypokalemic periodic paralysis: in vitro investigation of muscle fiber membrane parameters, 110-120
- Russin R, see Sugie H
- S**
- Sabina RL, Swain JL, Bradley WG, Holmes EW: Quantitation of metabolites in human skeletal muscle during rest and exercise: a comparison of methods, 77-82
- Sadeh M, Czyzewski K, Stern LZ: Calcium in bupivacaine-induced muscle necrosis, 752-L
- Salanga VD, see Lederman RJ
- Sanders DB, see Nandedkar SD
- Sasaki H, see Kimura J
- Satoh A, see Tsujihata M
- Scarpini E, see Dalla Libera L
- Schoenenberger R, see Eppenberger ME
- Schumm F, Stöhr M: Accessory nerve stimulation in the assessment of myasthenia gravis, 147-151
- Schwab BW, Arezzo JC, Paldino AM, Flohe L, Matthiessen T, Spencer PS: Rabbit sural nerve responses to chronic treatment with thalidomide and suplidomide, 362-368
- Schwartzman RJ, see Witte AS
- Scoppetta C, Casali C, Vaccario ML, Provenzano C: Difficult diagnosis of

- Eaton-Lambert myasthenic syndrome, 680-L
- Scoppetta C, Vaccario ML, Casali C, Di Trapani G, Mennuni G: Distal muscular dystrophy with autosomal recessive inheritance, 478-481
- Sebille A: Nerve regeneration in exogenous cerebral ganglioside-treated rats, 278-280
- Sellman MS, Mayer RF: Physiologic changes in motor units of patients with hereditary hypertrophic polyneuropathy, 568-A
- Shafiq SA, Shimizu T, Fischman DA: Heterogeneity of type I skeletal muscle fibers revealed by monoclonal antibody to slow myosin, 380-387
- Shanks S, see Bresolin N
- Shibuya J, see Pavot A
- Shields RW Jr: Single fiber electromyography in the differential diagnosis of myopathic limb girdle syndromes and chronic spinal muscular atrophy, 265-272
- Shields RW Jr, Robbins N, Verrilli AA III: The effects of chronic muscular activity on age-related changes in single fiber electromyography, 273-277
- Shields RW Jr, Wilbourn AJ, Root KR: Compression neuropathies in coma, 574-A
- Shimizu T  
see Mineo I  
see Shafiq SA
- Shivers RR, see Graham KA
- Siddique T: Myopathic EMG in peripheral neuropathy associated with systemic lupus erythematosus, 568-A
- Siegelman R, see Dubois M
- Silber DI, see Lester JM
- Simonati A, Cavanagh JB: Changes in terminal sprout formation in rat sternocostalis muscle during chronic intoxication with 2,5 hexanedione, 355-361
- Sjöström L  
see Grimby L  
see Lexell J
- Skondras S, see Kountouris D
- Slimp JC, Stolov WC, Wyler AR: Somatosensory evoked potentials after removal of somatosensory cortex in humans, 587-A
- Smith DB, see So EL
- Smith SA, see Streib EW
- Smith TW, Chad D: Intracellular inclusions in oculopharyngeal dystrophy, 339-L
- So EL, King DW, Smith DB, Henke J, Eve S: Recording the N11 wave at the second cervical spine (C2) vs the seventh cervical spine (C7) in median nerve somatosensory studies, 587-A
- Soso MJ, see Nielsen VK
- Soso MJ, Nielsen VK: The lesion of hemifacial spasm is peripheral to the facial nucleus, 578-A
- Spencer PS, see Schwab BW
- Sreter F, see Mabuchi K
- Stålberg E, see Aquilonius S-M
- Stålberg EV, see Nandedkar SD
- Stanek A, see Sundar RP
- Stashuk D, de Bruin H, Brandstater ME: Automatic analysis of motor unit activity, 560-A
- Stern LZ, see Sadeh M
- Sternick C, Horowitz SJ, Wilbourn AJ, Mitumoto H: The motor neuron disease presentation of hexosaminidase-A deficiency. EMG features in two patients, 575-A
- Stibolt GP, see Tahmouh AJ
- Stöhr M, see Schumm F
- Stolov WC, see Slimp JC
- Streib EN: Evoked response testing in myotonic syndromes, 590-L
- Streib EW, Sun SF, Kimberling W, Smith SA: Hypertrophic form of peroneal muscular atrophy (PMA): unusual nerve conduction results, 32-34
- Streib EW, Sun SF, Leibrock LG: EMG studies of distal ulnar neuropathy in nine cases, 574-A
- Subramony SH, Wee AS: Electromyographic observations in hyperkalemic periodic paralysis, 579-A
- Sufit RL, Peters HA: Nifedipine relieves exercise-exacerbated myalgias, 647-649
- Sugie H, Russin R, Verity MA: Emetine myopathy: two case reports with pathobiochemical analysis, 54-59
- Sugita H, see Nonaka I
- Sulaiman AR, see Baruah JK
- Sumi S, see Mineo I
- Sun SF, see Streib EW
- Sundar RP, Kula RW, Maccabee PJ, Stanek A: Unique presentation of Guillain-Barré syndrome: complete "locked in" syndrome of peripheral origin, 576-A
- Sundaram MBM: Focal inflammatory myopathy, 681-L
- Sutherland WHF, Pollock M: Endoneurial ATPase activity in Tangier disease and other peripheral neuropathies, 447-453
- Swain JL, see Sabina RL
- Sweeny PR: A reply, 338-L
- Swift TR, see French MW
- Swift TR, Daroff RB, Drachman DB, Lennon VA, Norcia E: Advances in myasthenia gravis, conference notes, 676-678
- Symon L, see Ladds A
- Synek VM: Assessing sensory involvement in lower limb nerve lesions using somatosensory evoked potential techniques, 588-A
- T**
- Tagesson C, Henriksson KG: Elevated phospholipase A in Duchenne muscle, 260-L
- Tahmouh AJ, Alonso RD, Stibolt GP, Heiman-Patterson TD: The cramp-fasciculation syndrome with nerve hyperexcitability: a treatable disorder, 580-A
- Takano-Ohmuro H, see Yoshikawa A
- Tamari H, see Mücke T
- Tan CT, see Murray NMF
- Taratuto AL, Dubrovsky A: Partially denervated and reinnervated muscles in Duchenne muscular dystrophy: response, 594-L
- Tarlé O, see Rideau Y
- Tarui S, see Mineo I
- Telesman-Toppet N, Khoubessierian P, Bacq M, Durdu J, Lambelin D, Lousberg G, Coërs C: Unclassified familial myopathy resembling Steinert disease, without myotonia, 439-441
- Téllez I, see Cruz Martínez A
- Thomas D, Klueber K, Bourke D, Ontell M: The size of the myofibers in mature grafts of the mouse extensor digitorum longus muscle, 226-231
- Thomeer RTWM, see Arts RJHM
- Thurston SE, Phillips LH II: Disorder of neuromuscular transmission in a peripheral neuropathy, 495-L
- Toop J, see Mayer RF
- Toso V, see Morello F
- Toyka KV, see Reiners K
- Troup JP, see Fitts RH
- Trupin GL, see Hsu L
- Tsujihata M, Hazama R, Yoshimura T, Satoh A, Mori M, Nagasaki S: The motor end-plate fine structure and ultrastructural localization of acetylcholine receptors in amyotrophic lateral sclerosis, 243-249
- Turnbull DM, see Lane RJM
- U**
- Unsworth BR, see Fitts RH
- V**
- Vaccario ML, see Scoppetta C
- Vallat J-M, Guitart R, Lebouet M-J, Loubet A, Figaud M: The Spanish toxic-oil syndrome, 681-L
- Verity MA, see Sugie H
- Verrilli AA III, see Shields RW Jr
- Vidoloff JC: Saphenous nerve entrapment diagnosed by somatosensory evoked potential and treated by injection, 588-A
- Vignos PJ Jr: A reply, 498-L
- Villadiego A, see Carroll JE
- Vrbová G, see Dangain J
- Vredevelde JW: The N20 somatosensory evoked potential and outcome of acute stroke: predictive value?, 588-A
- W**
- Walmsley B, see Mayer RF
- Walton J, see Lane RJM
- Ward C, see Lin JT
- Ward PS, see Watt PW
- Watt DJ, Morgan JE, Partridge TA: Use of mononuclear precursor cells to insert allogeneic genes into growing mouse muscles, 741-750
- Watt PW, Goldspink G, Ward PS: Changes in fiber type composition in growing muscle as a result of dynamic exercise and static overload, 50-53
- Weddell AGM, see Bell MA

- Wee AS, see Subramony SH  
 Weinstein PR, see Aminoff MJ  
 Weiss JA, White JC  
   EMG elucidation of the pathophysiology of ataxia in the Fisher syndrome, 577-A  
   Mixed nerve axon populations and the somatosensory evoked potential: implications, 588-A  
 Wess MM, Fisher MA: Evoked motor response durations: differences in aging between men and women, 577-A  
 Wheeler SD, see Carroll JE  
 White J, see Eisen A  
 White JC, see Weiss JA  
 Wiechers D: Qualitative single fiber electromyography, 562-A  
 Wiczorek DF: Early effects in vitro of the muscular dysgenesis mutation on nervous tissue in the mouse, 179-193  
 Wilbourn AJ: Generalized low motor-normal sensory conduction responses: The etiology in 55 patients, 564-A  
 Wilbourn AJ  
   see Lederman RJ  
   see Mitumoto H  
   see Shields RW Jr  
   see Sternick C  
 Wilkins D, see Ravits J  
 Wilson BW, see Entrikin RK  
 Witte AS, Burke JF: Membranous glomerulonephropathy associated with chronic progressive demyelinating polyradiculoneuropathy, 573-A  
 Witte AS, Schwartzman RJ, Fariello RG: Mononeuropathy multiplex due to heroin abuse, 575-A  
 Wongjirad C, see Fine E  
 Woods JJ, see Bigland-Ritchie B  
 Wu Z-A, Chu F-L, Chang T, Jan S-F: Short-latency somatosensory evoked potentials in patients with cerebral infarction, 589-A  
 Wu Z-A, Chu F-L, Chang T, Yang D-A: Electrophysiologic study and computed tomography in diagnosis of lumbosacral radiculopathy, 572-A  
 Wyler AR, see Slimp JC

## Y

- Yamada T, see Kimura J  
 Yanagisawa H, see Kimura J  
 Yang D-A, see Wu Z-A  
 Yoshikawa A, Takano-Ohmuro H, Masaki T: Increase in the amount of elongation factor 2 in chicken muscular dystrophy, 733-740  
 Yoshimura T, see Tsujihata M  
 Young RB, Hopkins LH, Fleming GD: Elevated ammonia release from dystrophic chicken muscle cell and fibroblast cultures, 626-628

## Z

- Zatti M, see Bonadonna G

## SUBJECT INDEX TO VOLUME 7

This index gives the first author (in parentheses) and the first page of the article, abstract, or letter in which the indexed subject occurs. The reader is referred to the author index for the full title and coauthors, where appropriate, of the piece. Abstracts and letters are distinguished from articles by the following code: A = abstract, L = letter.

### A

- Acetylcholine receptor
  - deficiency in congenital canine myasthenia gravis (Oda) 705
  - metabolism in congenital canine myasthenia gravis (Oda) 717
  - ultrastructural localization in amyotrophic lateral sclerosis (Tsujihata) 243
- Acetylcholine sensitivity
  - in myoblasts (Eusebi) 488
- Actin
  - in avian muscular dystrophy (Feit) 668
- Adenylate deaminase
  - frozen muscle biopsies (Fishbein) 340-L
- Adenylate kinase
  - frozen muscle biopsies (Fishbein) 340-L
- Amyotrophic lateral sclerosis
  - motor endplate and AChRs (Tsujihata) 243

### B

- Bupivacaine
  - muscle necrosis (Sadeh) 752-L
- Book reviews
  - Atlas der Klinischen Elektromyographie und Neurographie* (Stöhr and Bluthardt) 684
  - Biofeedback* (Basmajian) 502
  - Clinical and Biological Aspects of Peripheral Nerve Diseases* (Battistin, Hashim, and Lajtha) 757
  - Current Therapy in Psychiatry: Physical Medicine and Rehabilitation* (Ruskin) 502
  - Developmental Processes in Normal and Diseased Muscle* (Oppenberger and Perriard) 756
  - Disorders of Peripheral Nerves* (Schaumburg, Spencer, and Thomas) 426
  - Electrodiagnosis in Diseases of Nerve and Muscle: Principles and Practice* (Kimura) 500
  - EMG Manual* (Jabre and Hackett) 343
  - Growth and Trophic Factors* (Perez-Polo, de Vellis, and Haber) 342

- Muscle Function Testing* (Janda) 756
- Muscle Pathology in Neuromuscular Disease* (Korényi-Both) 262
- Nerve Conduction Handbook* (Ma and Liveson) 685
- Nervous System Regeneration* (Haber, Perez-Polo, Hashim, and Stella) 758
- Neuromuscular Diseases* (Swash and Schwartz) 424
- Peripheral Neuropathy, Volumes I and II* (Dyck, Thomas, Lambert, and Bunge) 685
- The Pharmacology of Nerve and Muscle in Tissue Culture* (Harvey) 758
- The Practice of Physical Medicine* (Kaplan) 757
- Psychosocial Aspects of Muscular Dystrophy and Allied Diseases* (Charash, Wolf, Kutscher, Lovelace, and Hale) 342
- The Role of Calcium in Biological Systems, Volumes I, II, and III* (Anghileri and Tuffet-Anghileri) 684
- Skeletal Muscle Pathology* (Mastaglia and Walton) 425
- Sulfur Amino Acids: Biochemical and Clinical Aspects* (Kuriyama, Huxtable, and Iwata) 501
- Therapeutic Apheresis and Plasma Perfusion* (Tindall) 500
- Ultrastructural Study of the Human Diseased Peripheral Nerve* (Vital and Valat) 426

### C

- Carpal tunnel syndrome
  - association with Schwartz-Jampel syndrome (Cruz Martínez) 66
  - comparison of median, radial, and ulnar sensory latencies (Cho) 575-A
  - comparison of residual latency and palmar stimulation (Joynt) 565-A
  - electrodiagnostic testing (Evans) 565-A
  - preoperative and postoperative nerve conduction studies (Lin) 565-A

- thermographic evaluation of autonomic dysfunction (Gateless) 574-A
- Computer tomography
  - lumbosacral radiculopathy (Wu) 572-A
- Creatine kinase
  - frozen muscle biopsies (Fishbein) 340-L

### E

- Electromyography
  - a device providing visual and auditory feedback (Fine) 569-A
  - analysis of computer-simulated interference patterns (Rourke) 570-A
  - ataxia in Fisher syndrome (Weiss) 577-A
  - comparison of computer-simulated interference pattern (Erlandson) 570-A
  - concentric needle MUAPs (Nandedkar) 562-A
  - distal ulnar neuropathy (Streib) 574-A
  - facial myokymia (Daugherty) 568-A
  - gold-myokymia syndrome (Mitsumoto) 579-A
  - hexosaminidase, a deficiency in motor neuron disease (Sternick) 575-A
  - hyperkalemic periodic paralysis (Subramony) 579-A
  - interexaminer variations in interference patterns (Joynt) 570-A
  - in the diagnosis of malignant hyperthermia (Eng) 618
  - intraoperative monitoring of cranial nerve function (Daube) 577-A
  - measurement of interference pattern (Nandedkar) 561-A
  - motor amplitude measurement errors (Pickett) 567-A
  - motor units during locomotion in peroneal palsy (Grimby) 327
  - myoclonic writer's cramp (Ravits) 578-A
  - peripheral neuropathy associated with systemic lupus erythematosus (Siddique) 568-A



- quantitative analysis (Lange) 562-A  
 quantitative analysis of channel cross-talk (Brandstater) 561-A  
 shoulder girdle neuropathy (Kraft) 566-A  
 signal decomposition (De Luca) 560-A  
 spasmodic torticollis (Gilchrist) 569-A  
 spinal cord stimulation (Dimitrijevic) 569-A
- Electromyography, single fiber**  
 age-related changes (Shields) 273  
 chronic spinal muscular atrophy (Shields) 265  
 fiber density determinations (Kountouris) 572-A  
 myopathic limb girdle syndrome (Shields) 265  
 qualitative analysis (Wiechers) 562-A
- Electrophysiological studies**  
 comparison of peripheral and central sensory conduction (Eisen) 562-A  
 lithium therapy (Manocha) 575-A  
 lumbosacral radiculopathy (Aminoff) 582-A; (Wu) 572-A
- Evoked Potentials**  
 cerebral (Goodin) 584-A  
 clinical role of somatosensory evoked potentials (Aminoff) 345  
 correlation coefficient analysis (Baran) 571-A  
 cortical conditioning (Melikov) 586-A
- Evoked potentials, somatosensory abnormalities with Agent Orange (Baran) 571-A**  
 brainstem auditory evoked potentials (Maccabee) 563-A  
 brain potentials (Popivanov) 587-A  
 carotid endarterectomy (Peters) 585-A  
 cerebral cortex (Simp) 587-A  
 digital filtering (Eisen) 584-A  
 diabetic neuropathy (Kountouris) 585-A  
 Huntington's chorea (Arts) 582-A  
 in brain-dead patients (Belsh) 583-A  
 in cerebral infarction (Vrededeld) 588-A; (Wu) 589-A  
 in hypnosis (Pavot) 586-A  
 in mongoloids (Ragazzoni) 587-A  
 lower limb nerve lesions (Synek) 588-A  
 mixed nerve axon populations (Weiss) 588-A  
 multiple sclerosis (Comi) 583-A  
 nerve entrapment (Vidoloff) 588-A  
 recording the N11 wave (So) 587-A  
 scalp distribution following stimulation (Beric) 583-A  
 spinal cord reconstruction (Arts) 582-A  
 thalamus (Ladds) 585-A  
 thalamic lesions (Fisher) 584-A  
 traumatic quadriplegia (Louis) 585-A  
 trigeminal in multiple sclerosis (Murray) 586-A
- Exercise**  
 muscle fiber type effect (Watt) 50
- F**  
**F-response**  
 mean latency determination (Fisher) 339-L; (Reiners) 338-L  
**F-waves**  
 bilateral variability (Kennedy) 573-A
- L<sub>5</sub> radiculopathy (Pfister) 572-A**  
 origin in a select group of motoneurons (Kimura) 392
- G**  
**Gangliosides**  
 nerve regeneration in ganglioside-treated rats (Sebille) 278
- H**  
**Hemifacial spasm**  
 electrophysiological localization (Hopf) 753-L; (Nielsen) 682-A  
**Hypokalemic periodic paralysis**  
 muscle fiber membrane parameters (Rüdel) 110
- L**  
**Lambert-Eaton myasthenic syndrome**  
 electrophysiological studies (Jablecki) 250  
 hyperproteinorrachia (Morello) 754-L
- M**  
**McArdle disease**  
 glucagon effect (Mineo) 552  
 trials of verapamil and dantrolene sodium (Brumback) 593-L; (Lane) 592-L  
**3-Methylhistidine**  
 urinary excretion in infants (Dalla Libera) 494  
**Motor endplate**  
 acrylamide and zinc iodide-osmium staining (Kemplay) 94, 101  
 terminal sprouting and 2,5-hexanedione (Simonati) 355  
 topographical localization (Aquilonius) 287  
**Motor endplate—staining technique**  
 zinc iodide-osmium in acrylamide intoxication (Kemplay) 94, 101  
**Motor neuron**  
 hexosaminidase, a deficiency (Sternick) 575-A  
 labelling by intramuscular placement of horseradish peroxidase (Klueber) 127  
**Motor units**  
 abnormal use in peroneal palsy (Grimby) 327  
 acoustic myography (Barry) 578-A  
 action potential simulation of concentric needle EMG (Nandedkar) 562-A  
 automatic analysis of action potentials (Dorfman) 560-A  
 automatic analysis of activity (Stashuk) 560-A  
 automatic analysis of interference pattern (Chu) 560-A  
 effects of progressive Teflon denudation of EMG needle (Chu) 569-A  
 in hereditary hypertrophic polyneuropathy (Sellman) 568-A  
 in paraplegia (Mayer) 23  
 the "45° test" (Petajan) 577-A  
**Multiple sclerosis**  
 pyramidal tract conduction time (Murray) 563-A  
 somatosensory evoked potentials (Comi) 583-A
- trigeminal somatosensory evoked potentials (Murray) 586-A**
- Muscle**  
 anion permeability (Macchia) 415  
 avian, <sup>31</sup>P-NMR studies (Pettegrew) 442  
 changes during human muscular fatigue (Bigland-Ritchie) 691  
 compound action potential analysis (Olney) 568-A  
 dystrophin myotonic-like disease (Telerman-Toppet) 439  
 dystrophic murine muscle in culture (Bryers) 332  
 exercise and metabolites (Sabina) 77  
 exertional myalgia (Sufti) 647  
 fatigue (Bigland-Ritchie) 691  
 focal inflammatory myopathy (Lederman) 142; (Sundaram) 681-L  
 glucagon effect in McArdle disease and Tarui disease (Mineo) 552  
 hypokalemic periodic paralysis (Rüdel) 110  
 isomyosins in myotonic goats (Martin) 152  
 measurement of evoked motor response duration (Wess) 577-A  
 muscular dysgenesis and "mosaic" myotubes in vitro (Peterson) 194  
 muscular dysgenesis mutation (Wieczorek) 179  
 muscular dysgenic myotube contractions (Powell) 204  
 myofibrillar M-line structure (Eppenberger) 304  
 myoglobin after denervation and during reinnervation (Askmark) 656  
 needle biopsy (Cumming) 679-L; (Heckmatt) 594-L  
 nerve-muscle interaction (Wieczorek) 179  
 neuronotrophic effects of muscle fractions (Hsu) 211  
 N<sup>7</sup>-methylhistidine and creatinine excretion in muscle diseases (Röthig) 374  
 periodic paralysis and the exercise test (McManis) 579-a  
 protein turnover and growth (Kelly) 235  
 regeneration in avian muscular dystrophy (Nonaka) 400  
 sarcolemmal characteristics (Rüdel) 110  
 sarcomere number regulation (Herrig) 161  
 temperature sensitivity of muscle contraction (Elmubarak) 298  
 thyrotoxicosis (Fitts) 470  
 topographical localization of motor endplate (Aquilonius) 287  
 use of nifedipine (Sufti) 647
- Muscle biochemistry**  
 high energy phosphates during rest and exercise (Sabina) 77  
 high energy phosphates in avian dystrophic muscle (Pettegrew) 442
- Muscle biopsy**  
 double staining technique for automatic analysis (Hantař) 91
- Muscle denervation**  
 fibrillation potential amplitude (Kraft) 565-A

- myoglobin (Askmark) 656  
sarcolemmal, proteins and glycoproteins (Leung) 35
- Muscle exercise  
metabolism and fatigue (Edwards) 599
- Muscle fatigue  
failure of neuromuscular transmission (Pagala) 454
- Muscle fibers  
avian, spectrin distribution (Menold) 408  
healing-over following injury (Furukawa) 610  
myosin types in rabbit masseter muscles (Mabuchi) 531  
supernormal conductivity (Chino) 567-A  
type 1 fiber heterogeneity (Shafiq) 380
- Muscle fiber type grouping  
quantitation by co-dispersion index (Downham) 751-L; (Lester) 752-L
- Muscle fiber types  
effects of dynamic exercise and static overload (Watt) 50
- Muscle histochemistry  
automatic analysis (Hantai) 91
- Muscle myopathy  
bupivacaine and calcium (Sadeh) 753-L  
McArdle's disease (Brumback) 593-L; (Lane) 592-L  
phosphoglycerate deficiency (Bresolin) 542  
trials of verapamil and dantrolene (Brumback) 593-L; (Lane) 592-L
- Muscle myotonia  
isomyosins (Martin) 152
- Muscle myotubes  
acetylcholine sensitivity in murine muscular dystrophy (Cossu) 73
- Muscle physiology  
resting membrane potentials and extracellular potassium (Kwiecinski) 60
- Muscle sarcolemma  
intramembrane particles in hamster dystrophic heart muscle (Graham) 513  
membrane currents and potassium (Kwiecinski) 465
- Muscle transplants  
allogeneic gene insertion (Watt) 741  
myofiber size (Thomas) 226
- Muscular dysgenesis  
normal-dysgenic mosaic myotubes (Peterson) 194  
myotube contraction (Powell) 204
- Muscular dystrophy  
congenital, T-system in Fukuyama type (Müke) 629  
distal, autosomal recessive inheritance (Scoppetta) 478
- Muscular dystrophy-avian  
corticosterone-21-acetate (Entrikin) 130  
elongation factor 2 (Yoshikawa) 733  
interaction of actin and myosin (Feit) 668  
muscle regeneration (Nonaka) 400  
myosin components (Bandman) 312  
NH<sub>3</sub> release from cells (Young) 626  
<sup>31</sup>P-NMR studies (Pettegrew) 442  
stretch removal on muscle weight and enzyme activity (Day) 482
- use of proper "controls" (Entrikin) 337-L; (Sweeny) 338-L
- Muscular dystrophy-Duchenne  
decreased A23187-induced platelet aggregation (Bonadonna) 493-L  
denervation effects (Karpati) 261-L; (Taratuto) 594-L  
3-methylhistidine excretion (Mussini) 388  
myofibrillar protein catabolism (Mussini) 388  
phospholipase A activity (Tagesson) 260-L  
physical rehabilitation (Fowler) 496-L; (Vignos) 498-L  
treatment of scoliosis (Rideau) 281  
treatment trial with leucine (Mendell) 535
- Muscular dystrophy-hamster  
intramembrane particle profile of heart sarcolemma (Graham) 513  
membrane protein phosphorylation in erythrocytes (Johnson) 369  
myofibrillar M-line structure (Eppenberger) 304
- Muscular dystrophy-limb girdle  
single fiber EMG (Shields) 265
- Muscular dystrophy-mouse  
differentiation in muscle cultures (Bryers) 332  
muscle enzyme activities (Reichmann) 121
- Muscular dystrophy-murine  
acetylcholine sensitivity (Cossu) 73  
insulin receptor (Hofmann) 650  
mdx mutant (Dangain) 700  
muscle development (Dangain) 700
- Muscular dystrophy-myotonic  
gastroparesis (Bodensteiner) 486
- Muscular dystrophy-oculopharyngeal  
intranuclear inclusions (Smith) 339-L
- Myasthenia gravis  
accessory nerve stimulation (Schumm) 147  
conference notes (Swift) 676
- Myasthenia gravis-congenital canine  
AChR deficiency in dogs (Oda) 705  
AChR metabolism in dogs (Oda) 717
- Myasthenic syndrome  
electrophysiological studies (Jablecki) 250  
hyperproteinorrachia (Morello) 754-L  
treatment with immunosuppressant drugs (Scoppetta) 680-L
- Myopathy  
brominated vegetable oil (Carroll) 642  
emetine (Sugie) 54  
familial, resembling myotonic dystrophy (Telerman-Toppet) 439  
lipid storage, experimental (Carroll) 642  
malignant hyperthermia, electromyography in diagnostic testing (Eng) 618  
malignant hyperthermia, excitation-contraction time intervals (French) 580-A
- Myosin  
in avian muscular dystrophy (Feit) 668  
in dystrophic chicken (Bandman) 312  
type 1 muscle fiber heterogeneity (Shafiq) 380
- Myosin light chains  
in rabbit masseter muscle (Mabuchi) 431
- Myositis  
focal inflammatory (Lederman) 142; (Sundaram) 681-L
- Myotonia  
2,4-dichlorophenoxyacetic acid (Al-Sulaiman) 580-A
- Myotonia congenita  
electrophysiology (Streib) 590-L

## N

- Nerve  
cramp-fasciculation syndrome (Tahmouh) 580-A  
ephaptic response in hemifacial spasm (Nielsen) 578-A  
focal cooling and Na<sup>+</sup> inactivation (Louis) 567-A  
hemifacial spasm (Soso) 578-A  
pudendal nerve evoked responses during pelvic surgery (Dubois) 583-A  
stimulus induced repetitive discharges (Litchy) 572-A
- Nerve-blood vessels  
morphometric study of intrafascicular vessels (Bell) 524
- Nerve conduction  
distribution of conduction velocities (Dorfman) 2  
dorsal nerve of penis (Lin) 566-A  
generalized low motor-normal sensory response (Wilbourn) 564-A  
greater auricular nerve (Palliyath) 232  
in thalidomide and suplidimide intoxication (Schwab) 362  
proximal conduction velocity in Ia fibers (Eisen) 636  
pyramidal tracts (Murray) 563-A  
Spanish toxic oil syndrome (Cruz Martínez) 12
- Nerve entrapment  
acute and chronic (Miller) 427  
carpal tunnel syndrome in Schwartz-Jampel syndrome (Cruz Martínez) 66
- Nerve-muscle interaction  
Spanish toxic oil syndrome (Cruz Martínez) 12; (Vallat) 681-L  
thalidomide and suplidimide intoxication (Schwab) 362
- Nerve physiology  
motor axon loop (Roth) 294
- Nerve regeneration  
ganglioside-treated rats (Sebille) 278
- Neuromuscular disease  
physical rehabilitation (Fowler) 496-L; (Vignos) 498-L
- Neuromuscular transmission  
disorders in peripheral neuropathy (Thurston) 495-L  
muscle fatigue (Pagala) 454
- Neuronotrophic factors  
muscle extracts (Hsu) 211
- Neuropathy  
acute and chronic compressive neuropathy (Miller) 427  
acute inflammatory demyelinating polyradiculoneuropathy—electrophysiological studies (Albers) 576-A

Agent Orange (Dyro) 571-A  
 analphalipoproteinemia (Sutherland) 447  
 compression neuropathies in children (Jones) 566-A  
 conduction block in compression neuropathy (Olney) 662  
 diabetic, somatosensory evoked potentials (Kountouris) 585-A  
 disorders of neuromuscular transmission (Thurston) 495-L  
 EMG studies of distal ulnar neuropathy (Streib) 574-A  
 endoneurial ATPase activity in Tangier disease (Sutherland) 447  
 energy metabolism in p-bromophenylacetylurea (Brimijoin) 725  
 F-wave and H-reflex measurements (Marra) 573-A  
 hereditary sensory neuropathy (Baruah) 573-A  
 in coma (Shields) 574-A  
 interdigital, electrophysiological studies (Oh) 218

membranous glomerulonephropathy (Witte) 573-A  
 mononeuropathy multiplex due to heroin abuse (Witte) 575-A  
 osteosclerotic myeloma (Donofrio) 137  
 p-bromophenylacetylurea and energy metabolism (Brimijoin) 725  
 polyneuropathy in benign monoclonal gammopathy (Donofrio) 564-A  
 relative refractory period (Alderson) 580-A  
 treatment of refractory chronic demyelinating polyneuropathy with lymphoid irradiation (Rosenberg) 563-A  
 vincristine (Cooper) 564-A  
 Guillain-Barré syndrome, "locked in" syndrome (Sundar) 576-A  
 Guillain-Barré syndrome, distal preponderance (Rosenberg) 576-A

## P

Paramyotonia congenita  
 electrophysiology (Streib) 590-L

Peroneal muscular atrophy  
 hypertrophic form, nerve conduction study (Streib) 32  
 Phosphoglycerate kinase  
 deficiency myopathy (Bresolin) 542  
 Polymyositis  
 focal inflammatory myopathy (Lederman) 142; (Sundaram) 681-L

## S

Sarcolemma  
 proteins and glycoproteins in denervation (Leung) 35  
 Spinal muscular atrophy  
 single fiber electromyography (Shields) 265

## T

Tarsal tunnel syndrome  
 near-nerve sensory nerve conduction (Oh) 566-A  
 Tarui disease  
 glucagon effect (Mineo) 552

**A**s part of our continuing effort to find the cause and the cure of Amyotrophic Lateral Sclerosis, the National ALS Foundation will review research grants and postdoctoral fellowships for funding to begin July 1st, 1985. Applicants may apply for one or two years funding. The deadline for receipt of completed applications for this review is February 1st, 1985. Our next deadline, for funding to begin January 1st, 1986, is July 1st, 1985. For appropriate application forms and additional information, please contact: National ALS Foundation, Inc., 185 Madison Avenue, New York, NY 10016. Phone: (212) 679-4016.